Bruhat Bengaluru
Mahanagara Palike

BRUHAT BENGALURU MAHANAGARA PALIKE,
BYATARAYANAPURA DIVISION

Name of Work :- Improvements to Roads and drains in Vinayaka Layout 1st Stage and surrounding areas in ward no -07, Byatarayanapura

EMB

"FIRST & FINAL BILL"

Bruhat Bengaluru
Mahanagara Palike

BRUHAT BENGALURU MAHANAGARA PALIKE,
BYATARAYANAPURA DIVISION

Name of Work :- Improvements to Roads and drains in Vinayaka Layout 1st Stage and surrounding areas in ward no -07, Byatarayanapura

PRE-MEASUREMENT SHEETS

"FIRST & FINAL BILL"

NAME OF WORK : Improvements to Roads and drains in Vinayaka Layout 1st Stage and surrounding areas in ward no -07, Byatarayanapura

Measurements							
Pre-Measurement Recorded On: 15-3-22, 16-3-22							
Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
1	KSRRB300-1. Earthwork excavation by manual means for roads, drains & similar works in ordinary soil excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications.(I.NO 19.1,Page no 143 SR 2018-19)						
	For CC Drain						
	Vinayaka Layout 1st Stage						
	6th A Cross Road LHS						
	CH: 00.00 to 30.00 m	1	30.00	0.75	0.75	16.88	
	CH: 30.00 to 31.50 m	1	1.50	0.75	0.75	0.84	
	6th A Cross Road RHS						
	CH: 00.00 to 30.00 m	1	30.00	0.75	0.75	16.88	
	CH: 30.00 to 32.60 m	1	2.60	0.75	0.75	1.46	
	5th A Cross Road LHS						
	CH: 00.00 to 30.00 m	1	30.00	0.75	0.75	16.88	
	CH: 30.00 to 36.00 m	1	6.00	0.75	0.75	3.38	
	5th A Cross Road RHS						
	CH: 00.00 to 30.00 m	1	30.00	0.75	0.75	16.88	
	CH: 30.00 to 36.00 m	1	6.00	0.75	0.75	3.38	
	4th A Cross Road LHS						
	CH:11.70 to 17.50m	1	5.80	0.75	0.75	3.26	
	CH: 27.00 to 31.60 m	1	8.60	0.75	0.75	4.84	
	CH: 81.40 to 105.30 m	1	23.90	0.75	0.75	13.44	
	4th A Cross Road RHS						
	CH: 00.00 to 30.00 m	1	30.00	0.75	0.75	16.88	
	CH: 30.00 to 60.00 m	1	30.00	0.75	0.75	16.88	
	CH: 60.00 to 90.00 m	1	30.00	0.75	0.75	16.88	
	CH: 90.00 to 105.30 m	1	15.30	0.75	0.75	8.61	
	3rd A Cross Road LHS						
	CH: 00.00 to 30.00 m	1	30.00	0.75	0.75	16.88	
	CH: 30.00 to 60.00 m	1	30.00	0.75	0.75	16.88	
	CH: 60.00 to 90.00 m	1	30.00	0.75	0.75	16.88	
	3rd A Cross Road RHS						
	CH: 00.00 to 30.00 m	1	30.00	0.75	0.75	16.88	
	CH: 30.00 to 60.00 m	1	30.00	0.75	0.75	16.88	
	CH: 60.00 to 90.00 m	1	30.00	0.75	0.75	16.88	
	2nd A Cross Road LHS						
	CH: 00.00 to 30.00 m	1	30.00	0.75	0.75	16.88	
	CH: 30.00 to 60.00 m	1	30.00	0.75	0.75	16.88	
	CH: 60.00 to 80.6 m	1	20.60	0.75	0.75	11.59	
	2nd A Cross Road RHS						
	CH: 00.00 to 30.00 m	1	30.00	0.75	0.75	16.88	

C&PE 15/3/22

C&PE 16/3/22

NDD 15/3/22

320.88

SHRIYA CONSTRUCTION AND CONSULTANCY

AE(NP)

	CH: 30.00 to 60.00 m	1	30.00	0.75	0.75	16.88	
	CH: 60.00 to 80.6 m	1	20.60	0.75	0.75	11.59	
	1st A Cross Road LHS						
	CH: 00.00 to 30.00 m	1	30.00	0.75	0.75	16.88	
	CH: 30.00 to 60.00 m	1	30.00	0.75	0.75	16.88	
	CH: 60.00 to 70.00 m	1	10.00	0.75	0.75	5.63	
	1st A Cross Road RHS						
	CH: 00.00 to 30.00 m	1	30.00	0.75	0.75	16.88	
	CH: 30.00 to 60.00 m	1	30.00	0.75	0.75	16.88	
	CH: 60.00 to 70.00 m	1	10.00	0.75	0.75	5.63	
	6th B Cross Road LHS						
	CH: 00.00 to 30.00 m	1	30.00	0.75	0.75	16.88	
	CH: 30.00 to 36.10 m	1	6.10	0.75	0.75	3.43	
	6th B Cross Road RHS						
	CH: 00.00 to 30.00 m	1	30.00	0.75	0.75	16.88	
	CH: 30.00 to 36.10 m	1	6.10	0.75	0.75	3.43	
	5th B Cross Road LHS						
	CH: 00.00 to 30.00 m	1	30.00	0.75	0.75	16.88	
	CH: 30.00 to 42.10 m	1	2.10	0.75	0.75	1.18	
	5th B Cross Road RHS						
	CH: 00.00 to 30.00 m	1	30.00	0.75	0.75	16.88	
	CH: 30.00 to 41.50 m	1	1.50	0.75	0.75	0.84	
	4th B Cross Road LHS						
	CH: 00.00 to 30.00 m	1	30.00	0.75	0.75	16.88	
	CH: 30.00 to 53.60 m	1	23.60	0.75	0.75	13.28	
	4th B Cross Road RHS						
	CH: 00.00 to 30.00 m	1	30.00	0.75	0.75	16.88	
	CH: 30.00 to 53.60 m	1	23.60	0.75	0.75	13.28	
	3rd B Cross Road LHS						
	CH: 00.00 to 30.00 m	1	30.00	0.75	0.75	16.88	
	CH: 30.00 to 57.00 m	1	27.00	0.75	0.75	15.19	
	3rd B Cross Road RHS						
	CH: 00.00 to 30.00 m	1	30.00	0.75	0.75	16.88	
	CH: 30.00 to 57.00 m	1	27.00	0.75	0.75	15.19	
	2nd B Cross Road LHS						
	CH: 00.00 to 30.00 m	1	30.00	0.75	0.75	16.88	
	CH: 30.00 to 60.00 m	1	30.00	0.75	0.75	16.88	
	CH: 60.00 to 88.00 m	1	28.00	0.75	0.75	15.75	
	2nd B Cross Road RHS						
	CH: 00.00 to 30.00 m	1	30.00	0.75	0.75	16.88	
	CH: 30.00 to 60.00 m	1	30.00	0.75	0.75	16.88	
	CH: 60.00 to 88.00 m	1	28.00	0.75	0.75	15.75	
	1st B Cross Road LHS						
	CH: 00.00 to 30.00 m	1	30.00	0.75	0.75	16.88	
	CH: 30.00 to 40.00 m	1	20.00	0.75	0.75	11.25	
	1st B Cross Road RHS						
	CH: 00.00 to 30.00 m	1	30.00	0.75	0.75	16.88	
	CH: 30.00 to 40.00 m	1	20.00	0.75	0.75	11.25	

SHRIVA CONSTRUCTION AND CONSULTANCY

463.39

	Culverts						
	6th Cross Road	1	7.50	0.80	0.75	4.50	
	6th B Cross Road	1	8.10	0.80	0.75	4.86	
	5th Cross Road	1	7.50	0.80	0.75	4.50	
	5th B Cross Road	1	7.60	0.80	0.75	4.56	
	4th Cross Road	1	7.00	0.80	0.75	4.20	
	4th B Cross Road	1	6.50	0.80	0.75	3.90	
	3rd Cross Road	1	8.00	0.80	0.75	4.80	
	3rd B Cross Road	1	7.20	0.80	0.75	4.32	
	2nd Cross Road	1	6.50	0.80	0.75	3.90	
	2nd B Cross Road	1	6.50	0.80	0.75	3.90	
	1st B Cross Road	1	7.50	0.80	0.75	4.50	
						67.94	
					Present Qty	**832.01**	**Cum**

Contractor

PMC

Assistant Engineer

Assistant Exe. Engineer

NAME OF WORK : Improvements to Roads and drains in Vinayaka Layout 1st Stage and surrounding areas in ward no -07, Byatarayanapura

Measurements

Pre-Measurement Recorded On: 17-3-22, 18-3-22

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
2	KSRB 4-12: Providing and laying Plain cement concrete 1:3:6 mix with OPC 220kgs with crushed stone aggregate 40 mm and down size graded granite metal coarse aggregates @0.892Cum and fine aggregates @ 0.465Cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, including cost of all materials, labour, HOM curing complete as per specifications. Specification No. KBS						
	CC Drain PCC						
	Vinayaka Layout 1st Stage						
	6th A Cross Road LHS						
	CH: 00.00 to 30.00 m	1	30.00	0.75	0.15	3.38	
	CH: 30.00 to 31.50 m	1	1.50	0.75	0.15	0.17	
	6th A Cross Road RHS						
	CH: 00.00 to 30.00 m	1	30.00	0.75	0.15	3.38	
	CH: 30.00 to 32.60 m	1	2.60	0.75	0.15	0.29	
	5th A Cross Road LHS						
	CH: 00.00 to 30.00 m	1	30.00	0.75	0.15	3.38	
	CH: 30.00 to 36.00 m	1	6.00	0.75	0.15	0.68	
	5th A Cross Road RHS						
	CH: 00.00 to 30.00 m	1	30.00	0.75	0.15	3.38	
	CH: 30.00 to 36.00 m	1	6.00	0.75	0.15	0.68	
	4th A Cross Road LHS						
	CH:11.70 to 17.50m	1	5.80	0.75	0.15	0.65	
	CH: 27.00 to 31.60 m	1	8.60	0.75	0.15	0.97	
	CH: 81.40 to 105.30 m	1	23.90	0.75	0.15	2.69	
	4th A Cross Road RHS						
	CH: 00.00 to 30.00 m	1	30.00	0.75	0.15	3.38	
	CH: 30.00 to 60.00 m	1	30.00	0.75	0.15	3.38	
	CH: 60.00 to 90.00 m	1	30.00	0.75	0.15	3.38	
	CH: 90.00 to 105.30 m	1	15.30	0.75	0.15	1.72	
	3rd A Cross Road LHS						
	CH: 00.00 to 30.00 m	1	30.00	0.75	0.15	3.38	
	CH: 30.00 to 60.00 m	1	30.00	0.75	0.15	3.38	
	CH: 60.00 to 90.00 m	1	30.00	0.75	0.15	3.38	
	3rd A Cross Road RHS						
	CH: 00.00 to 30.00 m	1	30.00	0.75	0.15	3.38	
	CH: 30.00 to 60.00 m	1	30.00	0.75	0.15	3.38	
	CH: 60.00 to 90.00 m	1	30.00	0.75	0.15	3.38	
	2nd A Cross Road LHS						
	CH: 00.00 to 30.00 m	1	30.00	0.75	0.15	3.38	
	CH: 30.00 to 60.00 m	1	30.00	0.75	0.15	3.38	
	CH: 60.00 to 80.6 m	1	20.60	0.75	0.15	2.32	
	2nd A Cross Road RHS						

17/3/22

SHRIYA CONSTRUCTION AND CONSULTANCY

60.87

	CH: 00.00 to 30.00 m	1	30.00	0.75	0.15	3.38	
	CH: 30.00 to 60.00 m	1	30.00	0.75	0.15	3.38	
	CH: 60.00 to 80.6 m	1	20.60	0.75	0.15	2.32	
	1st A Cross Road LHS						
	CH: 00.00 to 30.00 m	1	30.00	0.75	0.15	3.38	
	CH: 30.00 to 60.00 m	1	30.00	0.75	0.15	3.38	
	CH: 60.00 to 70.00 m	1	10.00	0.75	0.15	1.13	
	1st A Cross Road RHS						
	CH: 00.00 to 30.00 m	1	30.00	0.75	0.15	3.38	
	CH: 30.00 to 60.00 m	1	30.00	0.75	0.15	3.38	
	CH: 60.00 to 70.00 m	1	10.00	0.75	0.15	1.13	
	6th B Cross Road LHS						
	CH: 00.00 to 30.00 m	1	30.00	0.75	0.15	3.38	
	CH: 30.00 to 36.10 m	1	6.10	0.75	0.15	0.69	
	6th B Cross Road RHS						
	CH: 00.00 to 30.00 m	1	30.00	0.75	0.15	3.38	
	CH: 30.00 to 36.10 m	1	6.10	0.75	0.15	0.69	
	5th B Cross Road LHS						
	CH: 00.00 to 30.00 m	1	30.00	0.75	0.15	3.38	
	CH: 30.00 to 42.10 m	1	2.10	0.75	0.15	0.24	
	5th B Cross Road RHS						
	CH: 00.00 to 30.00 m	1	30.00	0.75	0.15	3.38	
	CH: 30.00 to 41.50 m	1	1.50	0.75	0.15	0.17	
	4th B Cross Road LHS						
	CH: 00.00 to 30.00 m	1	30.00	0.75	0.15	3.38	
	CH: 30.00 to 53.60 m	1	23.60	0.75	0.15	2.66	
	4th B Cross Road RHS						
	CH: 00.00 to 30.00 m	1	30.00	0.75	0.15	3.38	
	CH: 30.00 to 53.60 m	1	23.60	0.75	0.15	2.66	
	3rd B Cross Road LHS						
	CH: 00.00 to 30.00 m	1	30.00	0.75	0.15	3.38	
	CH: 30.00 to 57.00 m	1	27.00	0.75	0.15	3.04	
	3rd B Cross Road RHS						
	CH: 00.00 to 30.00 m	1	30.00	0.75	0.15	3.38	
	CH: 30.00 to 57.00 m	1	27.00	0.75	0.15	3.04	
	2nd B Cross Road LHS						
	CH: 00.00 to 30.00 m	0	30.00	0.75	0.15	0.00	
	CH: 30.00 to 60.00 m	1	30.00	0.75	0.15	3.38	
	CH: 60.00 to 88.00 m	1	28.00	0.75	0.15	3.15	
	2nd B Cross Road RHS						
	CH: 00.00 to 30.00 m	1	30.00	0.75	0.15	3.38 3.47	3.38
	CH: 30.00 to 60.00 m	1	30.00	0.75	0.15	3.38 3.47	3.38
	CH: 60.00 to 88.00 m	1	28.00	0.75	0.15	3.38 3.23	3.15
	1st B Cross Road LHS						
	CH: 00.00 to 30.00 m	1	30.00	0.75	0.15	3.38 3.47	3.38
	CH: 30.00 to 40.00 m	1	20.00	0.75	0.15	2.25 2.28	2.25
	1st B Cross Road RHS						
	CH: 00.00 to 30.00 m	1	30.00	0.75	0.15	3.38	

SHRIYA CONSTRUCTION AND CONSULTANCY

90.54

	CH: 30.00 to 40.00 m	1	20.00	0.75	0.15		2.25	
	Culverts							
	6h Cross Road	1	7.50	0.75	0.15	0.84	0.87	.84
	6th B Cross Road	1	8.10	0.75	0.15	0.91	0.94	.91
	5th Cross Road	1	7.50	0.75	0.15	0.84	0.87	.84
	5th B Cross Road	1	7.60	0.75	0.15	0.86	0.88	.86
	4th Cross Road	1	7.00	0.75	0.15	0.79	0.81	.79
	4th B Cross Road	1	6.50	0.75	0.15	0.73	0.75	.73
	3rd Cross Road	1	8.00	0.75	0.15	0.90	0.92	.90
	3rd B Cross Road	1	7.20	0.75	0.15	0.81	0.83	.81
	2nd Cross Road	1	6.50	0.75	0.15	0.73	0.75	.73
	2nd B Cross Road	1	6.50	0.75	0.15	0.73	0.75	.73
	1st B Cross Road	1	7.50	0.75	0.15	0.84	0.87	.84
							11.23	
	c4 fc							
					Present Qty		**163.05**	**Cum**
							162.64	

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

Contractor

PMC

SHRIYA CONSTRUCTION AND CONSULTANCY

Assistant Engineer

Assistant Exe. Engineer

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

NAME OF WORK : Improvements to Roads and drains in Vinayaka Layout 1st Stage and surrounding areas in ward no -07, Byatarayanapura

Measurements

Pre-Measurement Recorded On: 19-3-22

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
3	KSRB M2200-6 Providing T.M.T bars Fe 500 steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. MORTH Specification NO.1600&2200Specification No. Pg No.229 Item No.28.8.2						
	For CC Drain						
	Vinayaka Layout 1st Stage						
	6th A Cross Road LHS						
	Total Drain length = 31.50 m						
	Main bar 10mm dia bar @ 125 mmC/c						
	10mm bar unit weight = 0.62kg/mtr		253	1.75	0.62	274.51	
	Distribution bar 10mm dia 150mm C/c						
	10mm bar unit weight = 0.62kg/mtr		9	31.40	0.62	175.21	
	6th A Cross Road RHS						
	Total Drain length = 32.60 m						
	Main bar 10mm dia bar @ 125 mmC/c						
	10mm bar unit weight = 0.62kg/mtr		262	1.75	0.62	284.05	284.22
	Distribution bar 10mm dia 150mm C/c						
	10mm bar unit weight = 0.62kg/mtr		9	32.50	0.62	181.35	
	5th A Cross Road LHS						
	Total Drain length = 36.00 m						
	Main bar 10mm dia bar @ 125 mmC/c						
	10mm bar unit weight = 0.62kg/mtr		289	1.75	0.62	313.57	
	Distribution bar 10mm dia 150mm C/c						
	10mm bar unit weight = 0.62kg/mtr		10	35.90	0.62	222.58	
	5th A Cross Road RHS						
	Total Drain length = 36.00 m						
	Main bar 10mm dia bar @ 125 mmC/c						
	10mm bar unit weight = 0.62kg/mtr		289	1.75	0.62	313.57	
	Distribution bar 10mm dia 150mm C/c						
	10mm bar unit weight = 0.62kg/mtr		10	35.90	0.62	222.58	
	4th A Cross Road LHS						
	Total Drain length = 38.30 m						
	Main bar 10mm dia bar @ 125 mmC/c						
	10mm bar unit weight = 0.62kg/mtr		305	1.75	0.62	330.93	
	Distribution bar 10mm dia 150mm C/c						
	10mm bar unit weight = 0.62kg/mtr		9	38.00	0.62	212.04	
	4th A Cross Road RHS						
	Total Drain length = 105.00 m						
	Main bar 10mm dia bar @ 125 mmC/c						
	10mm bar unit weight = 0.62kg/mtr		841	1.75	0.62	912.49	
	Distribution bar 10mm dia 150mm C/c						
	10mm bar unit weight = 0.62kg/mtr		10	104.90	0.62	650.38	
	3rd A Cross Road LHS						
	Total Drain length = 90.00 m						
	Main bar 10mm dia bar @ 125 mmC/c					409.348	

SHRIYA CONSTRUCTION AND CONSULTANCY

	10mm bar unit weight = 0.62kg/mtr		721	1.75	0.62	782.29	
	Distribution bar 10mm dia 150mm C/c						
	10mm bar unit weight = 0.62kg/mtr		10	89.90	0.62	557.38	
	3rd A Cross Road RHS						
	Total Drain length = 90.00 m						
	Main bar 10mm dia bar @ 125 mmC/c						
	10mm bar unit weight = 0.62kg/mtr		721	1.75	0.62	782.29	
	Distribution bar 10mm dia 150mm C/c						
	10mm bar unit weight = 0.62kg/mtr		10	89.90	0.62	557.38	
	2nd A Cross Road LHS						
	Total Drain length = 80.60 m						
	Main bar 10mm dia bar @ 125 mmC/c						
	10mm bar unit weight = 0.62kg/mtr		641	1.75	0.62	695.49	
	Distribution bar 10mm dia 150mm C/c						
	10mm bar unit weight = 0.62kg/mtr		10	80.50	0.62	499.10	
	2nd A Cross Road RHS						
	Total Drain length = 80.60 m						
	Main bar 10mm dia bar @ 125 mmC/c						
	10mm bar unit weight = 0.62kg/mtr		641	1.75	0.62	695.49	
	Distribution bar 10mm dia 150mm C/c						
	10mm bar unit weight = 0.62kg/mtr		10	80.50	0.62	499.10	
	1st A Cross Road LHS						
	Total Drain length = 70.00 m						
	Main bar 10mm dia bar @ 125 mmC/c						
	10mm bar unit weight = 0.62kg/mtr		561	1.75	0.62	608.69	
	Distribution bar 10mm dia 150mm C/c						
	10mm bar unit weight = 0.62kg/mtr		10	69.90	0.62	433.38	
	1st A Cross Road RHS						
	Total Drain length = 70.00 m						
	Main bar 10mm dia bar @ 125 mmC/c						
	10mm bar unit weight = 0.62kg/mtr		561	1.75	0.62	608.69	
	Distribution bar 10mm dia 150mm C/c						
	10mm bar unit weight = 0.62kg/mtr		10	69.90	0.62	433.38	
	6th B Cross Road LHS						
	Total Drain length = 36.10 m						
	Main bar 10mm dia bar @ 125 mmC/c						
	10mm bar unit weight = 0.62kg/mtr		289	1.75	0.62	313.57	
	Distribution bar 10mm dia 150mm C/c						
	10mm bar unit weight = 0.62kg/mtr		9	36.00	0.62	200.88	
	6th B Cross Road RHS						
	Total Drain length = 36.10 m						
	Main bar 10mm dia bar @ 125 mmC/c						
	10mm bar unit weight = 0.62kg/mtr		289	1.75	0.62	313.57	
	Distribution bar 10mm dia 150mm C/c						
	10mm bar unit weight = 0.62kg/mtr		9	36.00	0.62	200.88	
	5th B Cross Road LHS						
	Total Drain length = 32.10 m						
	Main bar 10mm dia bar @ 125 mmC/c						
	10mm bar unit weight = 0.62kg/mtr		257	1.75	0.62	278.85	
	Distribution bar 10mm dia 150mm C/c						
	10mm bar unit weight = 0.62kg/mtr		9	32.00	0.62	178.56	
	5th B Cross Road RHS						
	Total Drain length = 31.50 m						
	Main bar 10mm dia bar @ 125 mmC/c						
	10mm bar unit weight = 0.62kg/mtr		253	1.75	0.62	274.51	
	Distribution bar 10mm dia 150mm C/c						

19/3/22

NDP 19/3/22

SHRIYA CONSTRUCTION AND CONSULTANCY

8913.48

	10mm bar unit weight = 0.62kg/mtr		10	31.40	0.62	194.68	
	4th B Cross Road LHS						
	Total Drain length = 53.60 m						
	Main bar 10mm dia bar @ 125 mmC/c						
	10mm bar unit weight = 0.62kg/mtr		430	1.75	0.62	466.33	
	Distribution bar 10mm dia 150mm C/c						
	10mm bar unit weight = 0.62kg/mtr		10	53.50	0.62	331.70	
	4th B Cross Road RHS						
	Total Drain length = 53.60 m						
	Main bar 10mm dia bar @ 125 mmC/c						
	10mm bar unit weight = 0.62kg/mtr		430	1.75	0.62	466.33	466.55
	Distribution bar 10mm dia 150mm C/c						
	10mm bar unit weight = 0.62kg/mtr		10	53.50	0.62	331.70	
	3rd B Cross Road LHS						
	Total Drain length = 57.00 m						
	Main bar 10mm dia bar @ 125 mmC/c						
	10mm bar unit weight = 0.62kg/mtr		457	1.75	0.62	495.85	
	Distribution bar 10mm dia 150mm C/c						
	10mm bar unit weight = 0.62kg/mtr		10	56.90	0.62	352.78	
	3rd B Cross Road RHS						
	Total Drain length = 57.00 m						
	Main bar 10mm dia bar @ 125 mmC/c						
	10mm bar unit weight = 0.62kg/mtr		457	1.75	0.62	495.85	
	Distribution bar 10mm dia 150mm C/c						
	10mm bar unit weight = 0.62kg/mtr		10	56.90	0.62	352.78	
	2nd B Cross Road LHS						
	Total Drain length = 88.00 m						
	Main bar 10mm dia bar @ 125 mmC/c						
	10mm bar unit weight = 0.62kg/mtr		705	1.75	0.62	764.93	
	Distribution bar 10mm dia 150mm C/c						
	10mm bar unit weight = 0.62kg/mtr		10	87.90	0.62	544.98	
	2nd B Cross Road RHS						
	Total Drain length = 88.00 m						
	Main bar 10mm dia bar @ 125 mmC/c						
	10mm bar unit weight = 0.62kg/mtr		705	1.75	0.62	764.93	
	Distribution bar 10mm dia 150mm C/c						
	10mm bar unit weight = 0.62kg/mtr		10	87.90	0.62	544.98	
	1st B Cross Road LHS						
	Total Drain length = 50.00 m						
	Main bar 10mm dia bar @ 125 mmC/c						
	10mm bar unit weight = 0.62kg/mtr		401	1.75	0.62	435.09	
	Distribution bar 10mm dia 150mm C/c						
	10mm bar unit weight = 0.62kg/mtr		10	49.90	0.62	309.38	
	1st B Cross Road RHS						
	Total Drain length = 50.00 m						
	Main bar 10mm dia bar @ 125 mmC/c						
	10mm bar unit weight = 0.62kg/mtr		401	1.75	0.62	435.09	
	Distribution bar 10mm dia 150mm C/c						
	10mm bar unit weight = 0.62kg/mtr		10	49.90	0.62	309.38	

7596.98

SHRIYA CONSTRUCTION AND CONSULTANCY

	Culverts						
	Total Culvert length = 79.90 m						
	Main bar 12mm dia bar @ 125 mmC/c						
	12mm bar unit weight = 0.89kg/mtr		633	1.75	0.89	985.90	
	Distribution bar 10mm dia 150mm C/c						
	10mm bar unit weight = 0.62kg/mtr		10	78.80	0.62	488.56	NDP 19/3/22
					1474.46		
						22077.86	
					Present Qty	**22.08**	**MT**

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

Contractor PMC Assistant Engineer Assistant Exe. Engineer

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

SHRIYA CONSTRUCTION AND CONSULTANCY

NAME OF WORK : Improvements to Roads and drains in Vinayaka Layout 1st Stage and surrounding areas in ward no -07, Byatarayanapura

Measurements

Pre-Measurement Recorded On: 25-4-22

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
34	Providing laying plain/ reinforced cement concrete for side Drains Using M20 nominal mix Concrete with OPC at 300kgs.With 20mm and Down size granite metal coarse aggregate at 0.69Cum and fine aggregate at 0.43Cum Machne mixed, well compacted for wall and Bottom including centering shuttering,cost of materials,HOM of Machinery,Curing Etc.,Complete Excluding cost of Steel as per morth MORTH specification No. 1500, 1700, 2200. Including Cost of material, Labour, HOM complete as						
	CC Drain Raft						
	Vinayaka Layout 1st Stage						
	6th A Cross Road LHS						
	CH: 00.00 to 30.00 m	1	30.00	0.75	0.15	3.38	
	CH: 30.00 to 31.50 m	1	1.50	0.75	0.15	0.17	
	6th A Cross Road RHS						
	CH: 00.00 to 30.00 m	1	30.00	0.75	0.15	3.38	
	CH: 30.00 to 32.60 m	1	2.60	0.75	0.15	0.29	
	5th A Cross Road LHS						
	CH: 00.00 to 30.00 m	1	30.00	0.75	0.15	3.38	
	CH: 30.00 to 36.00 m	1	6.00	0.75	0.15	0.68	
	5th A Cross Road RHS						
	CH: 00.00 to 30.00 m	1	30.00	0.75	0.15	3.38	
	CH: 30.00 to 36.00 m	1	6.00	0.75	0.15	0.68	
	4th A Cross Road LHS						
	CH:11.70 to 17.50m	1	5.80	0.75	0.15	0.65	
	CH: 27.00 to 31.60 m	1	8.60	0.75	0.15	0.97	
	CH: 81.40 to 105.30 m	1	23.90	0.75	0.15	2.69	
	4th A Cross Road RHS						
	CH: 00.00 to 30.00 m	1	30.00	0.75	0.15	3.38	
	CH: 30.00 to 60.00 m	1	30.00	0.75	0.15	3.38	
	CH: 60.00 to 90.00 m	1	30.00	0.75	0.15	3.38	
	CH: 90.00 to 105.30 m	1	15.30	0.75	0.15	1.72	
	3rd A Cross Road LHS						
	CH: 00.00 to 30.00 m	1	30.00	0.75	0.15	3.38	
	CH: 30.00 to 60.00 m	1	30.00	0.75	0.15	3.38	
	CH: 60.00 to 90.00 m	1	30.00	0.75	0.15	3.38	
	3rd A Cross Road RHS						
	CH: 00.00 to 30.00 m	1	30.00	0.75	0.15	3.38	
	CH: 30.00 to 60.00 m	1	30.00	0.75	0.15	3.38	
	CH: 60.00 to 90.00 m	1	30.00	0.75	0.15	3.38	
	2nd A Cross Road LHS						
	CH: 00.00 to 30.00 m	1	30.00	0.75	0.15	3.38	
	CH: 30.00 to 60.00 m	1	30.00	0.75	0.15	3.38	
	CH: 60.00 to 80.6 m	1	20.60	0.75	0.15	2.32	
	2nd A Cross Road RHS						

SHRIYA CONSTRUCTION AND CONSULTANCY

60.87

	CH: 00.00 to 30.00 m	1	30.00	0.75	0.15	3.38	
	CH: 30.00 to 60.00 m	1	30.00	0.75	0.15	3.38	
	CH: 60.00 to 80.6 m	1	20.60	0.75	0.15	2.32	
	1st A Cross Road LHS						
	CH: 00.00 to 30.00 m	1	30.00	0.75	0.15	3.38	
	CH: 30.00 to 60.00 m	1	30.00	0.75	0.15	3.38	
	CH: 60.00 to 70.00 m	1	10.00	0.75	0.15	1.13	
	1st A Cross Road RHS						
	CH: 00.00 to 30.00 m	1	30.00	0.75	0.15	3.38	
	CH: 30.00 to 60.00 m	1	30.00	0.75	0.15	3.38	
	CH: 60.00 to 70.00 m	1	10.00	0.75	0.15	1.13	
	6th B Cross Road LHS						
	CH: 00.00 to 30.00 m	1	30.00	0.75	0.15	3.38	
	CH: 30.00 to 36.10 m	1	6.10	0.75	0.15	0.69	
	6th B Cross Road RHS						
	CH: 00.00 to 30.00 m	1	30.00	0.75	0.15	3.38	
	CH: 30.00 to 36.10 m	1	6.10	0.75	0.15	0.69	
	5th B Cross Road LHS						
	CH: 00.00 to 30.00 m	1	30.00	0.75	0.15	3.38	
	CH: 30.00 to 42.10 m	1	2.10	0.75	0.15	0.24	
	5th B Cross Road RHS						
	CH: 00.00 to 30.00 m	1	30.00	0.75	0.15	3.38	
	CH: 30.00 to 41.50 m	1	1.50	0.75	0.15	0.17	
	4th B Cross Road LHS						
	CH: 00.00 to 30.00 m	1	30.00	0.75	0.15	3.38	
	CH: 30.00 to 53.60 m	1	23.60	0.75	0.15	2.66	
	4th B Cross Road RHS						
	CH: 00.00 to 30.00 m	1	30.00	0.75	0.15	3.38	
	CH: 30.00 to 53.60 m	1	23.60	0.75	0.15	2.66	
	3rd B Cross Road LHS						
	CH: 00.00 to 30.00 m	1	30.00	0.75	0.10	2.25	
	CH: 30.00 to 57.00 m	1	27.00	0.75	0.10	2.03	
	3rd B Cross Road RHS						
	CH: 00.00 to 30.00 m	1	30.00	0.75	0.10	2.25	
	CH: 30.00 to 57.00 m	1	27.00	0.75	0.15	2.96	
	2nd B Cross Road LHS						
	CH: 00.00 to 30.00 m	1	30.00	0.75	0.15	3.38	
	CH: 30.00 to 60.00 m	1	30.00	0.75	0.15	3.38	
	CH: 60.00 to 88.00 m	1	28.00	0.75	0.15	3.15	
	2nd B Cross Road RHS						
	CH: 00.00 to 30.00 m	1	30.00	0.75	0.15	3.38	
	CH: 30.00 to 60.00 m	1	30.00	0.75	0.15	3.38	
	CH: 60.00 to 88.00 m	1	28.00	0.75	0.15	3.15	
	1st B Cross Road LHS						
	CH: 00.00 to 30.00 m	1	30.00	0.75	0.15	3.38	
	CH: 30.00 to 40.00 m	1	20.00	0.75	0.15	2.25	
	1st B Cross Road RHS						
	CH: 00.00 to 30.00 m	1	30.00	0.75	0.15	3.38	

SHRIYA CONSTRUCTION AND CONSULTANCY

90.54

	CH: 30.00 to 40.00 m	1	20.00	0.75	0.15	2.25	
	CC Drain Side Walls						
	Vinayaka Layout 1st Stage						
	6th A Cross Road LHS						
	CH: 00.00 to 30.00 m	2	30.00	0.15	0.45	4.05	
	CH: 30.00 to 31.50 m	2	1.50	0.15	0.45	0.20	
	6th A Cross Road RHS						
	CH: 00.00 to 30.00 m	2	30.00	0.15	0.45	4.05	
	CH: 30.00 to 32.60 m	2	2.60	0.15	0.45	0.35	
	5th A Cross Road LHS						
	CH: 00.00 to 30.00 m	2	30.00	0.15	0.45	4.05	
	CH: 30.00 to 36.00 m	2	6.00	0.15	0.45	0.81	
	5th A Cross Road RHS						
	CH: 00.00 to 30.00 m	2	30.00	0.15	0.45	4.05	
	CH: 30.00 to 36.00 m	2	6.00	0.15	0.45	0.81	
	4th A Cross Road LHS						
	CH:11.70 to 17.50m	2	5.80	0.15	0.45	0.78	
	CH: 27.00 to 31.60 m	2	8.60	0.15	0.45	1.16	
	CH: 81.40 to 105.30 m	2	23.90	0.15	0.45	3.23	
	4th A Cross Road RHS						
	CH: 00.00 to 30.00 m	2	30.00	0.15	0.45	4.05	
	CH: 30.00 to 60.00 m	2	30.00	0.15	0.45	4.05	
	CH: 60.00 to 90.00 m	2	30.00	0.15	0.45	4.05	
	CH: 90.00 to 105.30 m	2	15.30	0.15	0.45	2.07	
	3rd A Cross Road LHS						
	CH: 00.00 to 30.00 m	2	30.00	0.15	0.45	4.05	
	CH: 30.00 to 60.00 m	2	30.00	0.15	0.45	4.05	
	CH: 60.00 to 90.00 m	2	30.00	0.15	0.45	4.05	
	3rd A Cross Road RHS						
	CH: 00.00 to 30.00 m	2	30.00	0.15	0.45	4.05	
	CH: 30.00 to 60.00 m	2	30.00	0.15	0.45	4.05	
	CH: 60.00 to 90.00 m	2	30.00	0.15	0.45	4.05	
	2nd A Cross Road LHS						
	CH: 00.00 to 30.00 m	2	30.00	0.15	0.45	4.05	
	CH: 30.00 to 60.00 m	2	30.00	0.15	0.45	4.05	
	CH: 60.00 to 80.6 m	2	20.60	0.15	0.45	2.78	
	2nd A Cross Road RHS						
	CH: 00.00 to 30.00 m	2	30.00	0.15	0.45	4.05	
	CH: 30.00 to 60.00 m	2	30.00	0.15	0.45	4.05	
	CH: 60.00 to 80.6 m	2	20.60	0.15	0.45	2.78	
	1st A Cross Road LHS						
	CH: 00.00 to 30.00 m	2	30.00	0.15	0.45	4.05	
	CH: 30.00 to 60.00 m	2	30.00	0.15	0.45	4.05	
	CH: 60.00 to 70.00 m	2	10.00	0.15	0.45	1.35	
	1st A Cross Road RHS						
	CH: 00.00 to 30.00 m	2	30.00	0.15	0.45	4.05	
	CH: 30.00 to 60.00 m	2	30.00	0.15	0.45	4.05	
	CH: 60.00 to 70.00 m	2	10.00	0.15	0.45	1.35	

NDP 25/4/22

C4R 6/4/22

SHRIYA CONSTRUCTION AND CONSULTANCY

104.97

	6th B Cross Road LHS						
	CH: 00.00 to 30.00 m	2	30.00	0.15	0.45	4.05	
	CH: 30.00 to 36.10 m	2	6.10	0.15	0.45	0.82	
	6th B Cross Road RHS						
	CH: 00.00 to 30.00 m	2	30.00	0.15	0.45	4.05	
	CH: 30.00 to 36.10 m	2	6.10	0.15	0.45	0.82	
	5th B Cross Road LHS						
	CH: 00.00 to 30.00 m	2	30.00	0.15	0.45	4.05	
	CH: 30.00 to 42.10 m	2	2.10	0.15	0.45	0.28	
	5th B Cross Road RHS						
	CH: 00.00 to 30.00 m	2	30.00	0.15	0.45	4.05	
	CH: 30.00 to 41.50 m	2	1.50	0.15	0.45	0.20	
	4th B Cross Road LHS						
	CH: 00.00 to 30.00 m	2	30.00	0.15	0.45	4.05	
	CH: 30.00 to 53.60 m	2	23.60	0.15	0.45	3.19	
	4th B Cross Road RHS						
	CH: 00.00 to 30.00 m	2	30.00	0.15	0.45	4.05	
	CH: 30.00 to 53.60 m	2	23.60	0.15	0.45	3.19	
	3rd B Cross Road LHS						
	CH: 00.00 to 30.00 m	2	30.00	0.15	0.45	4.05	
	CH: 30.00 to 57.00 m	2	27.00	0.15	0.45	3.65	
	3rd B Cross Road RHS						
	CH: 00.00 to 30.00 m	2	30.00	0.15	0.45	4.05	
	CH: 30.00 to 57.00 m	2	27.00	0.15	0.45	3.65	
	2nd B Cross Road LHS						
	CH: 00.00 to 30.00 m	2	30.00	0.15	0.45	4.05	
	CH: 30.00 to 60.00 m	2	30.00	0.15	0.45	4.05	
	CH: 60.00 to 88.00 m	2	28.00	0.15	0.45	3.78	
	2nd B Cross Road RHS						
	CH: 00.00 to 30.00 m	2	30.00	0.15	0.45	4.05	
	CH: 30.00 to 60.00 m	2	30.00	0.15	0.45	4.05	
	CH: 60.00 to 88.00 m	2	28.00	0.15	0.45	3.78	
	1st B Cross Road LHS						
	CH: 00.00 to 30.00 m	2	30.00	0.15	0.45	4.05	
	CH: 30.00 to 40.00 m	2	20.00	0.15	0.45	2.70	
	1st B Cross Road RHS						
	CH: 00.00 to 30.00 m	2	30.00	0.15	0.45	4.05	
	CH: 30.00 to 40.00 m	2	20.00	0.15	0.45	2.70	
	Culverts Raft						
	6h Cross Road	1	7.50	0.75	0.15	0.84	
	6th B Cross Road	1	8.10	0.75	0.15	0.91	
	5th Cross Road	1	7.50	0.75	0.15	0.84	
	5th B Cross Road	1	7.60	0.75	0.15	0.86	
	4th Cross Road	1	7.00	0.75	0.15	0.79	
	4th B Cross Road	1	6.50	0.75	0.15	0.73	
	3rd Cross Road	1	8.00	0.75	0.15	0.90	
	3rd B Cross Road	1	7.20	0.75	0.15	0.81	
	2nd Cross Road	1	6.50	0.75	0.15	0.73	
	2nd B Cross Road	1	6.50	0.75	0.15	0.73	

SHRIYA CONSTRUCTION AND CONSULTANCY

93.60

	1st B Cross Road	1	7.50	0.75	0.15	0.84	
	Culverts Side Walls						
	6h Cross Road	2	7.50	0.15	0.45	1.01	
	6th B Cross Road	2	8.10	0.15	0.45	1.09	
	5th Cross Road	2	7.50	0.15	0.45	1.01	
	5th B Cross Road	2	7.60	0.15	0.45	1.03	
	4th Cross Road	2	7.00	0.15	0.45	0.95	
	4th B Cross Road	2	6.50	0.15	0.45	0.88	
	3rd Cross Road	2	8.00	0.15	0.45	1.08	
	3rd B Cross Road	2	7.20	0.15	0.45	0.97	
	2nd Cross Road	2	6.50	0.15	0.45	0.88	
	2nd B Cross Road	2	6.50	0.15	0.45	0.88	
	1st B Cross Road	2	7.50	0.15	0.45	1.01	
	c&fc				11.63		
					Present Qty	**361.42**	**Cum**

NDP
DE(W-I)
25/4/22

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

Contractor

PMC

SHRIYA CONSTRUCTION AND CONSULTANCY

Assistant Engineer

Assistant Exe. Engineer

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

Bruhat Bengaluru Mahanagara Palike

BRUHAT BENGALURU MAHANAGARA PALIKE,
BYATARAYANAPURA DIVISION

Name of Work :- Improvements to Roads and drains in Vinayaka Layout 1st Stage and surrounding areas in ward no -07, Byatarayanapura

MEASUREMENT SHEETS

"FIRST & FINAL BILL"

1st & Final Bill

NAME OF WORK : Improvements to Roads and drains in Vinayaka Layout 1st Stage and surrounding areas in ward no -07, Byatarayanapura

Work Order No.: BBMP/EE BTP/WO/54/2021-22, Dated 14.03.2021

Job code: 007-22-000003

Est. cost: 100.00 lakhs

Name Of contractor: M/S KR CONSTRUCTIONS (Sri C Mahesh)

Measurements

Item No	Discription of Item	Unit					Qty	Rate	Amount
1	KSRRB300-1. Earthwork excavation by manual means for roads, drains & similar works in ordinary soil excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications.(I.NO 19.1,Page no 143 SR 2018-19)								
	Pre Measurements recorded in Vide page	Cum	Present Qty				832.01	224.97	187177.01
	No. 3								
2	KSRB 4-12: Providing and laying Plain cement concrete 1:3:6 mix with OPC 220kgs with crushed stone aggregate 40 mm and down size graded granite metal coarse aggregates @0.892Cum and fine aggregates @ 0.465Cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, including cost of all materials, labour, HOM curing complete as per specifications. Specification No. KBS 4.1, 4.2 (P.No-13,I No-4.2 of PWD BCSR 2018-19)						162.64		1017926.35
	Pre Measurements recorded in Vide page	Cum		Present Qty			163.05	6258.77	1020499.96
	NO. 6								
3	KSRB M2200-6 Providing T.M.T bars Fe 500 steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. MORTH Specification NO.1600&2200Specification No. Pg No.229 Item No.28.8.2								2090377.63
	Pre Measurements recorded in Vide page	MT		Present Qty			22.08	94672.90	2090175.36
	NO. 10								
4	Providing laying plain/ reinforced cement concrete for side Drains Using M20 nominal mix Concrete with OPC at 300kgs.With 20mm and Down size granite metal coarse aggregate at 0.69Cum and fine aggregate at 0.43Cum Machne mixed, well compacted for wall and Bottom including centering shuttering,cost of materials,HOM of Machinery,Curing Etc.,Complete Excluding cost of Steel as per morth MORTH specification No. 1500, 1700, 2200. Including Cost of material, Labour, HOM complete as per Specification WALL & Bottom thickness 15Cm(Item No 37.59.2 page no 271)						361.42	8077.51	2919373.66 2919389.82
	Pre Measurements recorded in Vide page	CUM		Present Qty			~~107.71~~	~~8077.51~~	870022.54
	No. 15								

Contractor | PMC | Assistant Engineer | Asst. Executive Engineer

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

SHRIVA CONSTRUCTION AND CONSULTANCY

2

NAME OF WORK : Improvements to Roads and drains in Vinayaka Layout 1st Stage an eas in ward no -07, Byatarayanapura

Detailed Measurements

Measurement Recorded On:

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
5	Providing and Fixing Pre cast covering Slab 100mm thick made out of CC, jelly 20mm Down size with steel reinforcement including form work,curing,including cost of alll materials, labour,hire charges of machinery, loading, unloading, lead and lift,transportation etc ,complete.As per Engineer incharge. (Data Rate)								
	For CC Drain Covering Slab								
	Vinayaka Layout 1st Stage								
	6th A Cross Road LHS								
	CH: 00.00 to 11.30 m	20	0.60	0.75		9.00			
	6th A Cross Road RHS								
	CH: 00.00 to 21.00 m	36	0.60	0.75		16.20			
	5th A Cross Road LHS								
	CH: 00.00 to 30.00 m	51	0.60	0.75		22.95			
	CH: 30.00 to 36.00 m	12	0.60	0.75		5.40			
	5th A Cross Road RHS								
	CH: 24.20 to 31.50 m	15	0.60	0.75		6.75			
	4th A Cross Road LHS								
	CH:11.70 to 17.50m	11	0.60	0.75		4.95			
	CH: 27.00 to 31.60 m	16	0.60	0.75		7.20			
	CH: 81.40 to 105.30 m	41	0.60	0.75		18.45			
	4th A Cross Road RHS								
	CH: 00.00 to 30.00 m	51	0.60	0.75		22.95			
	CH: 30.00 to 60.00 m	51	0.60	0.75		22.95			
	CH: 60.00 to 90.00 m	51	0.60	0.75		22.95			
	CH: 90.00 to 105.30 m	27	0.60	0.75		12.15			
	3rd A Cross Road LHS								
	CH: 00.00 to 30.00 m	51	0.60	0.75		22.95			
	CH: 30.00 to 60.00 m	51	0.60	0.75		22.95			
	CH: 60.00 to 90.00 m	51	0.60	0.75		22.95			
	3rd A Cross Road RHS								
	CH: 00.00 to 17.80 m	31	0.60	0.75		13.95			
	CH: 27.20 to 57.20 m	51	0.60	0.75		22.95			
	CH: 57.20 to 87.20 m	51	0.60	0.75		22.95			
	CH: 87.20 to 90.00 m	7	0.60	0.75		3.15			
	2nd A Cross Road LHS								
	CH: 5.10 to 35.90 m	51	0.60	0.75		22.95			
	CH: 35.90 to 44.90 m	18	0.60	0.75		8.10			
	CH: 54.00 to 80.60 m	46	0.60	0.75		20.70			
	2nd A Cross Road RHS								
	CH: 00.00 to 30.00 m	51	0.60	0.75		22.95			
	CH: 30.00 to 60.00 m	51	0.60	0.75		22.95			
	CH: 60.00 to 80.6 m	36	0.60	0.75		16.20			
	1st A Cross Road LHS								
	CH: 00.00 to 30.00 m	51	0.60	0.75		22.95			
	CH: 30.00 to 60.00 m	51	0.60	0.75		22.95			
	CH: 60.00 to 70.00 m	19	0.60	0.75		8.55			
	1st A Cross Road RHS								
	CH: 00.00 to 30.00 m	51	0.60	0.75		22.95			
	CH: 30.00 to 60.00 m	51	0.60	0.75		22.95			
	CH: 60.00 to 70.00 m	19	0.60	0.75		8.55			
	6th B Cross Road LHS								
	CH: 00.00 to 4.00 m	10	0.60	0.75		4.50			
	6th B Cross Road RHS								

EXECUTIVE ENGINEER

SRINIVA CONSTRUCTION AND CONSULTANCY

5.31

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	CH: 00.00 to 30.00 m	51	0.60	0.75		22.95				
	CH: 30.00 to 36.10 m	15	0.60	0.75		6.75				
	5th B Cross Road LHS									
	CH: 00.00 to 10.80 m	20	0.60	0.75		8.78	9.00			
	5th B Cross Road RHS									
	CH: 00.00 to 17.30 m	31	0.60	0.75		13.95				
	CH: 20.40 TO 35.90	30	0.60	0.75		13.50				
	4th B Cross Road LHS									
	CH: 00.00 to 30.00 m	51	0.60	0.75		22.95				
	CH: 30.00 to 53.60 m	41	0.60	0.75		18.45				
	4th B Cross Road RHS									
	CH: 00.00 to 30.00 m	50	0.60	0.75		22.50				
	CH: 30.00 to 53.60 m	40	0.60	0.75		18.00				
	3rd B Cross Road LHS									
	CH: 4.20 to 30.00 m	44	0.60	0.75		19.80				
	CH: 30.00 to 57.00 m	46	0.60	0.75		20.70				
	3rd B Cross Road RHS									
	CH: 4.20 to 30.00 m	44	0.60	0.75		19.80				
	CH: 30.00 to 57.00 m	46	0.60	0.75		20.70				
	2nd B Cross Road LHS									
	CH: 00.00 to 30.00 m	51	0.60	0.75		22.95				
	CH: 30.00 to 60.00 m	51	0.60	0.75		22.95				
	CH: 60.00 to 88.00 m	48	0.60	0.75		21.60				
	2nd B Cross Road RHS									
	CH: 00.00 to 30.00 m	51	0.60	0.75		22.95				
	CH: 30.00 to 60.00 m	51	0.60	0.75		22.95				
	CH: 60.00 to 88.00 m	48	0.60	0.75		21.60				
	1st B Cross Road LHS									
	CH: 00.00 to 30.00 m	51	0.60	0.75		22.95				
	CH: 30.00 to 40.00 m	36	0.60	0.75		16.20				
	1st B Cross Road RHS									
	CH: 00.00 to 26.50 m	47	0.60	0.75		21.15				
	CH: 36.10 to 40.00 m	10	0.60	0.75		4.50				
	Main Road LHS and RHS									
	CH: 00.00 to 30.00 m	51	0.60	0.75		22.95				
	CH: 30.00 to 60.00 m	51	0.60	0.75		22.95				
	CH: 60.00 to 90.00 m	51	0.60	0.75		22.95				
	L Portion	11	0.60	0.75	502.65	4.95				2523811.74
					Present Qty	**1033.43**		**Sqm**	**2442.17**	**2523799.53**

Executive Engineer

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

Contractor | PMC | Assistant Engineer | Assistant Exe Engineer

SHRIYA CONSTRUCTION AND CONSULTANCY

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

4

NAME OF WORK : Improvements to Roads and drains in Vinayaka Layout 1st Stage and [redacted] s in ward no -07, Byatarayanapura

Detailed Measurements

Measurement Recorded On:

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
6	Supply and fixing Precast reinforced concrete slab 250cm thick including cost of reinforcement as per design and drawing, material cost, transportation, hire charges of machinery, machine cutting the vertical face to get plain even surface etc., complete with all leads and lift conveynce charges, labour charges inclusive of cost of all materials.								
	Culverts Raft								
	6h Cross Road	9	0.60	1.20		6.48			
	6th B Cross Road	9	0.60	1.20		6.48			
	5th Cross Road	9	0.60	1.20		6.48			
	5th B Cross Road	9	0.60	1.20		6.48			
	4th Cross Road	9	0.60	1.20		6.48			
	4th B Cross Road	9	0.60	1.20		6.48			
	3rd Cross Road	9	0.60	1.20		6.48			
	3rd B Cross Road	9	0.60	1.20		6.48			
	2nd Cross Road	9	0.60	1.20		6.48			
	2nd B Cross Road	9	0.60	1.20		6.48			
	1st B Cross Road	9	0.60	1.20		6.48			
					Present Qty	71.28	Sqm	5661.81	403573.82
							Civil Works Amount		9144615.50
							12% GST		1097353.86
							Total		10241969.00

9142260.49
1097068.85
10239309.34

Round off 10239000.00

Contractor

PMC

Assistant Engineer

Assistant Exe. Engineer

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

SHRIYA CONSTRUCTION AND CONSULTANCY

BRUHAT BANGALORE MAHANAGARA PALIKE

KODIGEHALLI SUB DIVISION- WARD 7 BYATARAYANAPURA

Name of work: Improvements to roads and Drains in Vinayaka Layout 1st Stage and surrounding areas in ward -07, Byatarayanapura

Job code 007-222-000003

P-code P3075 Special Comprehnsive Development Works

Agency Sri.M/S KR Constructions (C Mahesh)

First and final bill

Sl NO	Description	unit	Qty	RATE	AMOUNT
1	KSRRB300-1. Earthwork excavation by manual means for roads, drains & similar works in ordinary soil excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications.(I.NO 19.1,Page no 143 SR 2018-19)				
		cum			
	Present Qty		832.01		
	Previous Qty		0.00		
	Total Qty		832.01		
	BOQ Qty		832.33		
	Qty for payment		832.01	224.97	187177.29
2	KSRB 4-12: Providing and laying Plain cement concrete 1:3:6 mix with OPC 220kgs with crushed stone aggregate 40 mm and down size graded granite metal coarse aggregates @0.892Cum and fine aggregates @ 0.465Cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, including cost of all materials, labour, HOM curing complete as per specifications. Specification No. KBS 4.1, 4.2 (P.No-13,I No-4.2 of PWD BCSR 2018-19)				
		cum			
	Present Qty		163.05		
	Previous Qty		0.00		
	Total Qty		163.05		
	BOQ Qty		163.07		1017926.35
	Qty for payment		163.05	6258.77	1020492.45
			162.64		
3	KSRB M2200-6 Providing T.M.T bars Fe 500 steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. MORTH Specification NO.1600&2200Specification No. Pg No.229 Item No.28.8.2				
		MT			
	Present Qty		22.08		
	Previous Qty		0.00		
	Total Qty		22.08		
	BOQ Qty		22.09		
	Qty for payment		22.08	94672.90	2090377.63

4	Providing laying plain/ reinforced cement concrete for side Drains Using M20 nominal mix Concrete with OPC at 300kgs.With 20mm and Down size granite metal coarse aggregate at 0.69Cum and fine aggregate at 0.43Cum Machne mixed, well compacted for wall and Bottom including centering shuttering,cost of materials,HOM of Machinery,Curing Etc.,Complete Excluding cost of Steel as per morth MORTH specification No. 1500, 1700, 2200. Including Cost of material, Labour, HOM complete as per Specification WALL & Bottom thickness 15Cm(Item No 37.59.2 page no 271)				
		cum			
	Present Qty		361.42		
	Previous Qty		0.00		
	Total Qty		361.42		
	BOQ Qty		361.43		
	Qty for payment		361.42	8077.51	2919373.66
5	Providing and Fixing Pre cast covering Slab 100mm thick made out of CC, jelly 20mm Down size with steel reinforcement including form work,curing,including cost of alll materials, labour,hire charges of machinery, loading, unloading, lead and lift,transportation etc ,complete.As per Engineer incharge. (Data Rate)				
		Sqm			
	Present Qty		1033.43		
	Previous Qty		0.00		
	Total Qty		1033.43		
	BOQ Qty		1033.50		
	Qty for payment		1033.43	2442.17	2523811.74
6	Supply and fixing Precast reinforced concrete slab 250cm thick including cost of reinforcement as per design and drawing, material cost, transportation, hire charges of machinery, machine cutting the vertical face to get plain even surface etc., complete with all leads and lift conveynce charges, labour charges inclusive of cost of all materials.				
		Sqm			
	Present Qty		71.28		
	Previous Qty		0.00		
	Total Qty		71.28		
	BOQ Qty		71.40		
	Qty for payment		71.28	5661.81	403573.82
			TOTAL		9144615.50

S total 9142240.49
GST 1097018.85
total 10239309.34
Round off: 10239000.00

Assistant Engineer
Ward No.07

Assistant Executive Engineer
Kodigehalli Sub division

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

Executive Engineer
Byatarayanapura Division